

---

Subject: Re: mesh\_volume and tetra\_volume  
Posted by [Karl Schultz](#) on Mon, 16 Aug 2004 16:24:51 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

"Robert Schaefer" <robertschaefer@gmx.de> wrote in message  
news:bffaaee64.0408160734.11b17727@posting.google.com...

> Hello,  
> I tried to binarize your calculation like this :  
> ISOSURFACE, vol1 It radius, 1, v, c  
> -> i tried with : print,mesh\_issolid(tc)  
> % MESH\_ISSOLID: Invalid polygon connectivity.

Looks like you are passing a tet mesh conn list to mesh\_issolid. Tet meshes  
are always solid. Plus, the tet mesh conn lists are a different format than  
the polygon conn lists.

You should be using the variable c, not tc.

>  
> after that i took the mesh\_issolid(tetra\_surface(tv,tc))  
> function and returned a solid connectivity.  
> I dont understand why i can not check mesh\_issolid  
> directly after calculating the verts and conns with isosurface  
> and have to take Interval\_volume.

You can if you do:

```
ISOSURFACE, vol, isovalue, v, c  
print, MESH_ISSOLID(c)
```

>  
> Second i do not understand the treshold from isosurface,  
> which values i have to choose.

Do you mean isovalue?

It depends on the range of values in the volume and what values you want the  
surface to represent.

>  
> thanks for any ideas.  
>  
> Robert